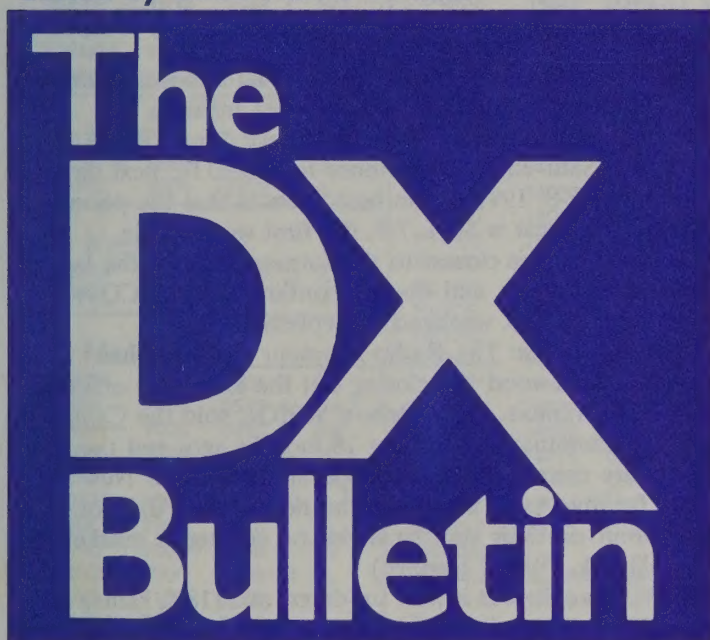


St. Martin - FS Bob Ave KB4VHW will operate /FS June 19-23 from the French side of this island (NA-105). Try 3505, 7005, 14025, 21025, and 28025 kHz on CW, and 3795, 7085, 14225, 21345, and 28495 kHz on SSB, especially 21345 kHz at 1800Z. On RTTY, try 14085, 21085, and 7040 (listening 7085 kHz). No activity on the new bands. QSL to home call; SASE, please. Sunrise 0940Z; sunset 2245Z.

Sint Maarten - PJ7 Bob moves over to the Dutch side of the island June 23-27, where he'll operate as PJ7/KB4VHW. Same frequencies and other info as above.

Pacific PA0CRA begins an extended trip to several Pacific Islands July 6, starting in Fiji 3D. Possible stops include Tuvalu T2, Wallis FW, and Nauru C2.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

El Salvador - YS Tom Beaudry K8LA will be active as YS/K8LA June 29-July 14, including operation in the IARU HF Championship July 13-14. CW and SSB on 10-20M, including operation on the new bands. QSL via Tom's new address: 226 W. Michigan, Apt. 4, Ypsilanti MI 48197. (Japan DX News.)

Kalawao County, Hawaii AH6IO on SSB and AH6IN on CW will be active from rare Kalawao County on Molokai in Hawaii July 3-7. RTTY, satellite, new-band, and six-meter operation, too. QSL via home calls, bureau okay.

Snake Island - 4K Andy RC2AR and several other Soviet DXers will operate as 4K5ZI/ July 6-26, including a multi-op entry in IARU HF as 4K5ZI. (Snake Island in the Black Sea is under Russian jurisdiction, but separated from UA3 by UB5.)

Shortly Noted

- **S2/WZ6C** Eric Biorck is now active from Jamalpur, in northern Bangladesh. Because of the frequent breakers and poorly timed 'tail-enders,' Eric will answer stations calling CQ, but won't try to run pile-ups himself. Please be patient; he'll be in Bangladesh for four years. QSL to W4FRU.
- **VP2EY** on Anguilla is HB9SL June 23-26, 10-40 meters. QSL home call. (Japan DX News.)
- **SV8/DF3IS** will be active July 20-August 1 from Corfu Island (EU-052). Try 14310, 18130, 21310, 24950, and 28410 kHz. QSL home call. (OK-DXpress.)
- **YI/LA5NM** and other YI/LAs have been logged recently. Since they are members of a United Nations inspection team, they might count for DXCC. QSL to LA5NM.
- **5R8AL** is supposed to be back on the air until June 24, but the bands have been so bad that it is hard to confirm this. 5R8AL does count for DXCC credit.
- **ZD8ACJ** is Nick G0ACJ, who will be active until November. ZD8XX recently became a Silent Key. (DXNS.)
- **6C1RJ** is a special Syrian call in honor of YK1AA.
- **JJ1VKL/4S7** Mitsuru Haraoka is active on 160 meters from Sri Lanka. He's also active on CW on the new bands. Contact JA3BCT for skeds.
- **4S6** prefixes are now being issued to Sri Lanka Novices, who have CW privileges on 3500-3600, 21125-21200, and 28000-28500 kHz.
- **Liberian** mail service has been restored, according to EL2CE. Try those EL QSLs again.
- The **DXCC Backlog** continues to dwindle. On June 8th, the DXCC desk was processing endorsements received on March 18. New DXCC applications are current.
- **Italian Islands** will be on the air June 29-July 1, for the Italian Islands Award. Scanno di Piallazza Island /IL4 and Mezzaluna Island (June 29th only) will be on 7005, 14005, 21005, and 28005 kHz on CW, 7060, 14160, 14260, 21260, 21260, 28360, and 28460 kHz on SSB, and 92 kHz up on RTTY. QSL to I2MQP.
- **SSB Net** check-ins: 14160 kHz: 3A2LU; 14222: YJ0AFU; 14227: 7Q7RM BY9GA KG4DD ZD8XX; 14250: 9K2KW; 14256: 3X1SG 3A2LU 3A/F9UW TL8FD CE2NVH/9; 21335: 5V7DP 5T5HH ZS9A LA5NM/YI VP2VE.
- **Islands On The Air: La Ciudecca Island** (EU-131) will be active June 21-23, as IK3ABY, IK3BSM, IK3HAQ, IK3PHQ and I3THJ operate /IL3. EJ7FRL will be active from **Fastnet Rock Lighthouse** (EU-121) July 9-19, weather permitting. Try 3510, 7010, and 10 and 30 kHz up on the other bands on CW, and 3775, 7075, 14140, 14240, 21275, and 28450 kHz on SSB. QSL to EI2BB. (See the July issue of *The DX Magazine* for more details.) **Cedar Key** (NA-076) will be active July 26-28, as KK4NQ/1CK and KA4TMJ/1CK will operate 20-10 meters. QSL home calls. Many Indonesian IOTA entries can be found on the IOTA frequency of 21260 kHz at 15-1700Z weekends.

Propagation

Forecast and Historical Data

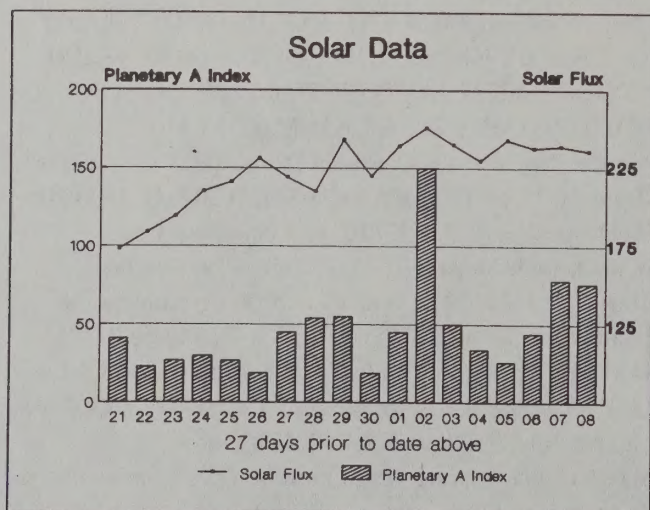
Day Forecast	27 Days Before	55 Days Before
June 1991	Date Flux A K	Date Flux A K
21 Disturbed	05/25 173 28/41 3	04/27 143 23/28 3
22 Low Normal	05/26 184 18/23 3	04/28 159 30/36 4
23 Low Normal	05/27 194 18/27 3	04/29 160 49/54 3
24 Low Normal	05/28 210 25/30 4	04/30 160 26/33 3
25 Low Normal	05/29 216 22/27 3	05/01 162 25/25 3
26 High Normal	05/30 231 15/19 3	05/02 157 28/38 4
27 Disturbed	05/31 219 29/45 4	05/03 158 18/19 2
28 Disturbed	06/01 220 41/54 3	05/04 163 07/10 1
29 Disturbed	06/02 243 44/55 4	05/05 181 07/09 1
30 High Normal	06/03 220 11/19 3	05/06 203 06/09 1
July 1991		
01 Disturbed	06/04 239 36/45 5	05/07 213 08/08 2
02 Hopeless	06/05 251 151/150 6	05/08 226 11/12 2
03 Disturbed	06/06 240 30/50 2	05/09 228 13/13 3
04 Below Normal	06/07 230 27/34 3	05/10 234 11/10 2

Propagation Watch

You know the propagation is poor when: a) you get your rig back from being serviced, and it still doesn't receive anything; b) your secretary complains that she can't receive her favorite AM radio station from 60 miles away; and c) solar flares are mentioned in your local newspaper and on TV. Thanks to Sunspot Region 6659, all these happened in early June.

Region 6659 even managed to affect propagation **after** it had rotated to the back side of the sun, by emitting another X12+ flare on June 15. This was the fourth X12+ flare from this region, an unprecedented phenomenon. Fortunately, the region showed signs of decay as it rotated off the visible side of the sun on June 16.

Region 6666 has also moved to the back on the sun. If new Regions 6681 and 6682 behave themselves, we should see the bands back to normal summertime conditions by this weekend. Look for some DX on 17 and 15 meters during the day, and on 20 and 30 meters in the early evening. There will be some north-south propagation on 10 and 12 meters. The polar cap absorption and auroral disruption should gradually ease, and we may see some high-latitude stations and polar paths back later this week. Solar activity should gradually increase toward the end of June, when region 6659 returns to our side of the sun.



Notes From All Over

■ **FP9SPM** is a special call from St. Pierre & Miquelon the first week in September. The St. Pierre club seeks operators from different countries to make an international event of this operation. Interested DXers should contact Ron Thompson VE1KM: Box 383, St. Pierre & Miquelon, Via Halifax NS Canada B3K 1S0.

■ **The W9DXCC Convention** will be held in the Chicago, Illinois, area Saturday, September 7. This annual event includes DX programs during the day, and a banquet in the evening, featuring the DX Hog of the Year award. For details, contact the sponsor: Northern Illinois DX Association, P.O. Box 519, Elmhurst IL 60126.

■ **VK9 Callsigns** will once again reveal the DXCC country of the operation. The suffixes are as follows:

Christmas Island	VK9X
Cocos (Keeling)	VK9C
Mellish Reef	VK9M
Norfolk Island	VK9N
Willis island	VK9W

Limited licensees will have a 'Z' between the 9 and the identifying suffix, combined licensees will have a 'K' there, and novices will have an 'N' there.

■ **ALL Asian Phone Contest?** The official announcement of the 1991 dates for the All Asian contest includes the following information for the Phone test: "From 0000UTC the fourth Saturday of September to 2400UTC next day (September 7-8, 1991)." The best guess is that the phone section of the test is Sept. 7-8, the first weekend in September. This is closest to the former dates of the last weekend in August, and doesn't conflict with the CQWW RTTY test the last weekend in September.

■ **Callbook Moves:** The Radio Amateur Callbook has moved to Lakewood NJ, closing out the long-time office in Lake Bluff, Illinois. Herb Helson W9IGL sold the Callbook to BPI Communications about 18 months ago, and the new owners are consolidating their operations at their New Jersey facility. As of mid-June, the new owners did not have an amateur on their staff to advise on editing or marketing the Callbook. (W5YI Report.)

■ **WWV Solar Report** is now up-dated at 2118Z, rather than 1818Z. The solar flux is currently measured at a British Columbia solar station, rather than from Ottawa. Hence the change in the up-date hour. The K index will continue to be up-dated every three hours, as at present.

■ Those **strange whistles** on the low bands during early June were examples of Type II radio sweeps, generated by the series of X12+ solar flares from Sunspot region 6659. The onset of the flare is marked with an immediate Sudden Ionospheric Disturbance (SID), when HF signals on the sunlit side of the earth vanish in a matter of seconds. About 15-20 minutes later, a slow, decreasing whistle moves through the bands, usually the only indication that your receiver is not broken. The bands then recover soon after the end of the flare, only to deteriorate about 30-48 hours later, when the slower-moving charged particles from the sun reach the earth, and disrupt the geomagnetic field. Region 6659 gave DXers an opportunity for an in-depth study of the effects of major flares. I think we have learned enough about this phenomenon now; now let's see what a quiet sun can do for us.

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

RTTY

4X6UO	14092	0146	15	FL
5V7DP	14090	2348	9	FL
9Y4VU	14088	2310	11	FL
FB8WZ	14090	1055	4	OH
H18BG	14085	1055	4	OH
TA3D	14089	0145	8	OH
TG9VT	14089	2348	9	FL
TK5IU	14087	2230	9	FL
UA3YCA	14094	0201	15	FL
UL7MU	14089	0200	4	OH
VP5JM	14083	0245	4	OH
YC1YMN	21085	1445	8	OH
YS7OB	14089	0210	4	OH

160 Meters

VK3ZL	1832	1140	1	WA
VK4YB	1832	1145	1	WA
VK5BC	1832	1150	1	WA
YJ0AFU	1832	1137	3	WA
ZL2SN	1832	1130	1	WA

80 Meters

TL8FD	3506	0240	10	IL
Z21HS	3504	0312	11	IL

75 Meters

CE0ZIS	3794	0440	11	IL
PY0FF	3795	0124	5	MD

40 Meters

CQ4DX	7005	0101	8	FL
CX4SS	7007	0545	4	CA
CX5BW	7005	0215	8	CA
EA6NB	7003	0421	6	FL
ES1WN	7008	0159	10	FL
FM5BH	7001	0034	10	FL
H18AX	7003	2316	7	FL
PT7AQ	7004	0048	8	MI
UF6FDR	7006	0039	11	FL
V31AD	7158	0457	13	IN
VK6VZ *	7004	2316	7	FL
ZD8VJ	7001	2337	12	FL

30 Meters

C6AFO	10105	0122	8	FL
PZ1DV	10105	0139	6	FL
VK6HD *	10105	2301	7	FL
ZF1EJ	10104	0311	8	VA

20 Meter CW

3B8DB *	14023	1123	9	FL
3B8FG	14034	0313	3	NY
3B8FG *	14020	1224	3	CO
3B8FK	14026	1138	9	GA
3B8FK	14028	1156	9	IL
3B8GA	14023	1136	9	GA
3C1EA	14034	0545	10	UT
4K1ADQ	14014	2229	13	FL
4K1B	14004	1335	2	CA
4S7CF	14009	1330	2	CA
4S7EF	14028	2344	3	FL
4S7EF	14029	1124	9	GA
4S7RO	14011	1152	15	FL
4S7WP	14005	0053	3	FL
4S7WP	14029	1116	8	MA

5B4/	14004	0337	8	IL
YU4OO				
5N0SKO	14036	2215	6	FL
6Y5IC	14007	0029	12	FL
8P9FT	14027	2252	11	FL
9H4R	14010	2121	2	FL
9J2SO *	14013	1410	2	CA
9M2FK	14019	1139	15	FL
9M2NA	14015	1435	7	CA
9M2ZA	14039	1050	6	MA
9V1JY	14027	1037	8	FL
BV2CM	14050	1213	15	FL
BV2TA	14025	1410	2	CA
BZ4RC	14018	1345	7	CA
CP5GK	14016	2330	4	FL
CU2QN	14011	0007	6	FL
DU7/	14029	1155	4	GA

N7ET				
EA6NB	14017	0510	4	CA
EA8AT	14046	1133	9	GA
EA9FG	14015	0049	11	FL
EA9TY	14018	2338	13	FL
ES5DE	14014	0055	7	FL
FK8FS	14008	1100	8	MA
FO5DV	14024	0452	11	UT
FR5AI *	14001	1323	9	FL
FR5BT	14022	1111	9	FL
FR5BT *	14041	1410	2	CA
FR5DD	14036	0321	4	CO
FR5DD	14022	1058	4	NC
FT4WC	14021	1240	6	CO
FY5YE	14004	2026	5	NH
HL1KXI	14028	1335	2	FL
HL3DE	14030	1156	6	GA
HP1AC	14014	2342	6	FL
HS0AC	14025	1142	15	FL
HS0E *	14032	1208	15	FL
J28AG	14010	2241	10	FL
KC6KW	14025	1315	2	FL
KC6MR	14011	1200	15	FL
P29DK	14009	1250	9	FL
PZ1DW	14036	0320	9	MI
RZ0Y/ *	14021	2130	6	FL

UA0WW				
SV0CJ/5	14019	0153	12	FL
SV0DV/9	14049	0257	4	KS
SV7BAY	14011	0052	10	FL
TA7M	14026	2153	2	FL
TG9AC	14005	0016	12	FL
TK/F8EL	14033	2103	11	FL
TL8FD	14021	2239	3	FL
TR8/	14023	2205	4	SC
F6AXX				
TU2MA	14035	0035	11	FL
UA0S/	14021	1234	3	CO
UA0HAE				
UA2FG	14023	0130	3	FL
UF6FBI	14026	2356	7	FL
UF6FJ	14020	0335	3	CA
UH9YWA	14028	0137	8	FL
UM8MQ	14013	0155	12	FL
V85RC *	14027	2117	6	FL
VK6XA	14028	1118	8	MA
VK9NS	14020	1210	5	CO
VP8GAU	14010	1315	2	CA
VS6CF	14009	1420	2	CA
VU2AC	14013	0009	6	FL
VU2NI	14012	0055	3	FL
XQ6ET	14029	0045	4	FL
XV2A	14005	1129	15	FL
XX9TDM	14001	1155	15	FL
YB0ZAE	14018	2309	10	FL

YB2HAP	14002	1123	15	FL
YS/	14017	0017	10	FL
WD4IFN				
YS1DRF	14009	1351	7	OH
Z21HS	14020	2121	2	FL
Z23JO *	14016	1430	7	CA
ZD8SE	14032	2105	11	FL
ZD8WD	14015	0036	4	FL
ZP6XDW	14016	2343	6	FL

20 Meter SSB

7Q7MM	14204	1405	2	MD
7X2KT	14250	0031	6	MD
9M8FH	14224	1244	28	MD
9N1MM	14247	0005	1	CA
9V1YE	14225	1501	3	MD
9V1YQ	14201	1445	2	CA
A35SA	14247	0530	4	CA
CE0LJI	14197	0300	9	MI
DU1AL	14220	1430	11	BC
FP5DX	14225	0610	4	CA
H44KA	14164	1152	8	IL
J79MD	14160	2314	4	NH
KH0/	14181	1237	3	MD
KK4TSM				
P29DX	14259	0759	8	BC
PY0FF	14190	0056	5	BC
TL8FD	14251	0200	1	MD
TT8AR	14247	0530	4	CA
V63JC	14177	1119	4	NC
VK5TT	14202	1300	7	BC
VS6DO *	14160	1120	8	IL
ZS6ZI	14220	1430	11	BC

17 Meter CW

CE3ZW	18076	2208	5	FL
IS0OMH	18072	2036	15	FL
PZ1DV	18075	2148	4	SC
RV0O/	18076	2028	15	FL
RT4UY				
T77C	18072	2044	15	FL
TL8MB	18075	2327	1	SC
UD850DC	18078	1905	2	SC
XE1X	18087	0050	3	FL
YS1DRF	18076	2244	1	NY
ZD8WD	18070	2010	3	SC
ZP6XDW	18080	2146	4	SC

15 Meter CW

4A2FN	21030	0015	4	FL
6W6JX	21025	2320	11	FL
8R1J	21023	2212	9	FL

9X5HG	21055	0321	8	MI
9X5HG	21061	1705	8	FL
HZ1HZ	21008	2150	8	FL
RF6FO	21031	1644	8	FL
SU1HV	21025	1940	28	SC
TR8/	21027	1714	15	FL
F6AXX	21025	1530	7	CA
UD850DBN	21049	2323	3	FL
UO5OOW	21011	2001	15	FL
V31SW	21027	1319	9	GA
VP5P	21022	1433	8	FL
YC4GDZ	21032	1450	8	FL
YC9VG	21024	1244	4	OH
ZD8WD	21007	2050	6	NH

15 Meter SSB

5Z4BI	21216	1951	31	MD
7Q7AB	21240	1715	2	CA
9U5BZP	21280	2001	31	MD
BV2AL	21276	1258	28	MD
CE0DFL	21290	0337	9	NJ
HK0NZY	21270	1300	1	IL
TR8JWH	21247	1946	6	NH
V51QM	21263	1804	7	NH
VQ9AY	21291	1814	31	MI
VR6MW	21222	0146	4	MD
ZD8XX	21267	1843	31	MD

10 Meter CW

8R1J	28019	2110	8	FL
EA8AB	28024	1953	8	GA
TR8/	28015	1410	8	FL
F6AXX				
YN/	28013	1654	8	ID
SM0OIG				
ZP9/	28004	1956	8	GA
PY5BI				

10 Meter SSB

CE1LGD	28472	0440	9	IL
OA4AUF	28475	0458	9	IL
TU2XZ	28510	1301	28	MD
V31RA	28393	0423	9	IL
V51EG	28466	1721	28	MD
ZD9BV	28466	1723	28	MD
ZL1GQ	28437	0511	9	IL

6 Meters

CO2KK	50114	2100	3	VA
HH7PV	50110	1917	3	VA
VE7SKA	50135	1923	3	CA

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Issue 593 - June 21, 1991

Current and Future DXpeditions

(Changes and hot info in boldface.)

DXCC Country	Prefix	Callsign	Dates	Issue
Afghanistan	YA	YA0AS	July 12-29	I592
Anguilla		VP2EY	June 23-26	I593
Aruba	P4	P40Z	July 10-23	I592
Ascension	ZD8	ZD8VJ	Jan. 14-June	I568
		ZD8ACJ	Now-Nov.	I593
Bahama Islands	C6	C6AFQ	July 1-16	I592
Banaba	T33	T33JH	May-June?	I584
Bangladesh	S2/	WZ6C	Now Active	I593
Burundi	9U	9U5BZD	to June 28	I592
Cayman Islands	ZF	ZF2AH/JT	June 28-July 12	I591
		ZF2QJ/8	June 29-July 3	I591
		ZF2JI	July 13-14	I592
Central African Rep.	TL8FD		Now-August	I590
El Salvador	YS/	K8LA	June 29-July 14	I593
Greece	SV8/	DF3IS	July 20-Aug. 1	I593
Iraq	YI/	LA2	Now	I593
Jan Mayen	JX	JX3EX	Now-Nov.	I588
Kalawao County	KH6	AH6IO/IN	July 3-7	I593
Netherland Antilles	PJ7/	KA4NHW	June 23-27	I593
Madagascar	5R	5R8AL	June 10-24	I590
Oblast 084	RE9W/	RA9SB	June 20-30	I591
Rotuma	3D	3D2AG	July 1-21	I592
St. Martin	FS/	KA4VHW	June 19-23	I593
Snake Island		4K5ZI	July 6-26	I593
Southern Sudan	ST0	ST0DX	Now-one year	I573
South Shetlands		4K1ADQ	Now	I583
United Nations Geneva	4U1	ITU	Now-June 28	I592
Vietnam	XV	XV2A	Now-June 28	I592
Western Kiribati	T30	T30JH	Now-June	I584
Western Samoa	5W	5W1GY	June	I584

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
■ Algeria	7X2KT	20M SSB	0100Z
■ Central African Rep.	TL8FD	14024±	23-0300Z
■ Central African rep.	TL8FD	14252	0200Z
■ Central African rep.	TL8FD	7002	0400Z
■ Crozet Island	FT4WC	14022	13-1400Z
■ El Salvador	YS1DRF	18073±	2300Z
■ Georgia	UF6FBI	14030±	0000Z
■ Honduras	HK3CAA/HR1	10103	0500Z
■ Mauritius	3B8FG	14025±	0315Z
■ Mauritius	3B8GA	14020±	1130-13Z
■ Paraguay	ZP5XDW	18075±	2200Z
■ Reunion Island	FR5BT	14025±	11-1400Z
■ Singapore	9V1JY	14025±	1030-14Z
■ South Shetlands	HF0POL	3505	0300Z
■ Sri Lanka	4S7WP	14025±	1115Z
■ Suriname	PZ1DW	14040±	0300Z
■ Turkmenistan	UH9YWA	14030±	0130Z
■ Zimbabwe	Z21HS	14018	2100Z

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, 4S7PB, AB8K, AH6IO, DXNS, JA3BCT, Japan DX News, K0KLK, K1HDO, K1RH, K2OLG, K4BAI, K4GLU, K4II, K6IR, K7UOT, K8CH, K8CV, KA4TMJ, KA7T, KB4VHW, KD7SO, KD0ZR, KM9J, KQ3S, N2EJQ, N2GLH, N4MM, N9ICE, OK-DXpress, VE1YX, VE7COP, W0JRN, W1AW, W2ORA, W4VQ, W5YI Report, W6UQF, W7AWA, W9DH, WA1NPZ, WB8SFF, WB8YJF, WB9Z, WF9K, W0RXL, WZ6C, and WO6R. Many thanks! -ed.

Operating Events and DX Gatherings

Dates	Event	Reference:
June 22-23	ARRL Field Day	<u>QST</u>
July 6-7	Venezuela SSB DX Test	<u>CQ</u>
July 11	Total Eclipse Stations	<u>I592</u>
July 13-14	IARU HF Championship	<u>QST</u>

N7RO-DX QSL SERVICE

DX CARDS FORWARDED TO QSL MGRS.,
DIRECT TO DX STNS., or QSL BUREAUS.

For details, send SASE
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